

KNV DOT**KNV** LINE

KNV DOT

- 1x Hyper Pixel, each with 1x 30W Bright White LED and 16x 0.25W RGB LEDs
- KNV Dot Connector (same design as X4 atom connector) will connect multiple Dots in 1:2 Pixel pitch, vertically or horizontally. 3x3 Dots will fit into 250 mm x 250 mm Cube space
- 4x M4 screw threads on the top of the front to allow installation of external accessories.
- Fixture could have a M10 thread on the back for direct mounting of half coupler
- Easy Power/Data-Daisy Chain with XLR 4pin in/out sockets (or 1x XLR 4pin in and a XLR 4pin cable out)
- Up to 5 KNV Pixel per Daisy Chain
- Maximum distance between PSU and last Pixel is up to 50m (same as X4 atom)
- Safety-eyelet on the back of the fixture
- IP 54 Rated
- No Flicker at TV Camera Systems
- Absolutely synchroncontrol of all units in the same PSU system – no delay
- System should be able to Hot Plug
- Cable should be compatible with X4atom cable and compatible with standard ScrollerCable
- Using the FX generator SW from DK

KNV LINE

- 5x Hyper Pixel, each with 1x 30W Bright White LED and 16x 0,25W RGB LEDs
- KNV Module Connector will connect multiple Lines in 1:1 Pixel pitch, vertically or horizontally. Full compatible to KNV Cubes.
- 4 screw threads on the top of the front to allow installation of external accessories.
- 1x KNV Handle on the back side for easy packing and fixing. Fixture/Handle with a M10 thread/hole or Camlock for direct mounting of half coupler
- Easy Power/Data Connection via XLR 4pin in. Cable should be compatible with X4atom cable and compatible with standard ScrollerCable
- Maximum distance between PSU and KNV Line is up to 50m
- Up to 1 KNV Line (5 Pixel) per Daisy Chain/PSU Output
- Safety Eyelet at the back
- IP 54 Rated
- No Flicker at TV Camera Systems
- Absolut synchronControl of all units in the same PSU system – no delay
- System should be able to Hot Plug
- Optional Flightcase should be prepared to put 4x KNV-Line-Cluster directly
- Mounting Rail for all align (1 multiple KNV-Lines m) to make long lines. (Screwless design with M10 for Clamps or Camlock for Omega Bracket at the back and on side)

Technical Data (1/2)

LIGHT SOURCE

Light Source Type	1x RGB Pixel (each 16 x 0.25W) 1x White Pixel (each 1 x 30W)
Light Source Power	Dot: 34 W Line: 170 W
Light Source Lifetime	50,000 h (L70)
LED refresh rate	9,600 Hz (White LED) 38,400 Hz (RGB LED)

OPTICAL SYSTEM

Total Output	up to 2,200 lm
Output Angle	60° half peak (50%) 120° field angle (10%) 120° cutoff angle (3%)

DYNAMIC EFFECTS

Color mixing	RGBW, independently variable 0–100 %
Dimmer / Shutter	0–100 % continuous electronic dimming, regular and random strobe and pulse effects, instant open and blackout
Pattern-Effects	3 Layer FX-Engine

CONTROL AND PROGRAMMING

DMX channels	10, 17, 37, 83, 29, 102, 202
Control Modes	8
Control Protocols	DMX (USIT DMX512-A) RDM (ANSI/ESTA E1.20) Art-Net sACN
High-Res Channels	Dimming, Layer-Master
Dimming Curves	linear, soft
Fan Modes	regulated, high, medium, low
Setting and addressing	control panel with backlit graphic display 4 Button Navigation DMX RDM
Others	Stand Alone 1 capture Scene 3 FX-Layer Output Limitation Pixel Rotation and Mirror
Firmware Update	DMX Link via DProg

CONNECTIONS

Power connection	Power-Data Connector EN3
Signal connection	Power-Data Connector EN3 in/out

ELECTRICAL SPECIFICATIONS

Power supply unit incl. power cable	External KNV PSU Power-Data Cable EN3
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THERMAL SPECIFICATIONS

Cooling Type	Combined convection and forced air
max. surface temperature (Ta = 40 °C)	55 °C / 131 °F
max. ambient temperature (Ta max.)	45 °C / 115 °F
min. ambient temperature (Ta min.)	5 °C / 40 °F

INSTALLATION

Mounting	Dot: M10 Screw Thread(s), safety cable attachment point, optional Bracket, KNV Dot Connector Line: 2 x M8 Screw Thread(s), safety cable attachment point, optional Bracket, KNV Module Connector
Orientation	any
min. distance to combustible materials	0.2 m / 8 in
min. distance to illuminated surfaces	1.0 m / 6.6 ft
Location	dry location, temporary outdoor

CONSTRUCTION

Housing Color	Black
Housing Material	high-impact flame-retardant thermoplastic, Aluminum
Protection Rating	IP 54
Construction Features	modular system

DIMENSIONS & WEIGHT

KNV DOT	
Height (front to bottom)	78 mm / 3.07 in
Width	98 mm / 3.86 in
Depth	98 mm / 3.86 in
min. center-to-center distance	100 mm / 3.94 in
Weight (netto)	07 kg / 1.54 lbs

Technical Data (2/2)

KNV LINE

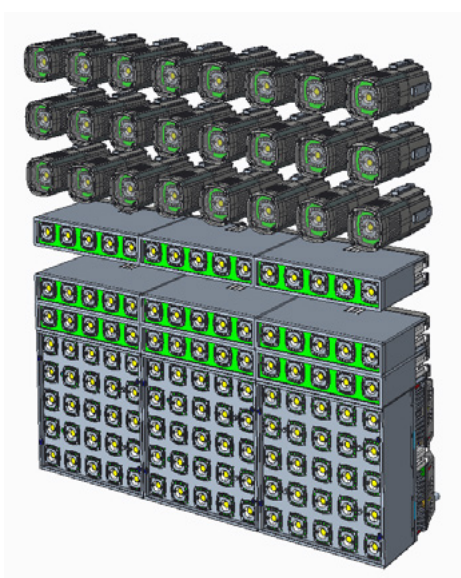
Height (front to bottom)	165 mm / 6.5 in
Width	250 mm / 9.84 in
Depth	50 mm / 1.97 in
min. center-to-center distance	250 mm / 9.84 in
Weight (netto)	2 kg / 4.4 lbs

APPROVALS AND CLASSIFICATIONS

EN 62471 Classification Risk Group 3

KNV Dot Connector will connect multiple Dots in 1:2 Pixel pitch, vertically or horizontally (KNV Dot Connector can be similar to the X4 atom connector system)

KNV Module Connector will connect multiple KNV Lines in 1:1 Pixel pitch, vertically or horizontally



The KNV Rigging PSU

- PSU for KNV System (KNV Dots and KNV Lines)
- Up to 5 Pixel at each of the 5 Outputs (= 50 Pixel)
- Integrated GUI with display
- indicator LEDs at the front for quick check if power and data are ok
- Warning if a line is overloaded (or via Display)
- separate Fuse for each output at the back side
- IP 54 Rated
- Option for installing Clamps directly or Standard 90mm CamlockOmega Bracket
- Rubber Corner protections
- Safety attachment point for rigging (could be the bracket)
- All cable connectors on the button (rain protected)
- PowerconTrue 1 in and out with separate Powerswitch
- DMX 5pin in and out
- Powerfail-Safe etherConin/out (ArtNet& sACN)
- System should be able to Hot Plug
- Control: One KNV Rigging PSU drives up to 5 Pixel on each of the 5 Outputs.

The Control Option of these 25 Pixel are the same as a KNV Cube. The PSU will get one DMX Startaddress. By auto configuration the Output A is Pixel 1 to 5, Output B is Pixel 6 to 10, etc. Each Pixel can then be individual configured via RDM or the internal GUI.

